BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: improvements to drainsand culverts at Muneshwara block Surroundings at Kodigehall Ward no 08

								Est Cost:	40.00lakhs
Sl. N	Description of Item	Unit	No.	Length m	Breadth m	Depth m	Quantity	Rate in Rs.	Amount in Rs.
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)								
	Muneshwara Block	Cum							
	2nd cross muneshwara		1	70.00	0.95	0.90	59.85		
	3rd cross muneshwara block		1	70.00	0.95	0.90	59.85		
	4th crossmuneshwara block		1	54.00	0.95	0.90	46.17		
	devinagar 3rd cross		2	104.00	1.10	0.90	205.92		
	Cross Road		2	62.00	0.95	0.90	106.02		
							477.81	186.92	**89312.25**
	Basic rate	**82**							
	Loading and unloading with 10km lead= 68+2.5x1.28x10 =	**100**							
	Area Weightage 6%	**4.92**							
	Final Rate	**186.92**							
2	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)								
	Bed Concrete	Cum							
	Muneshwara Block								
	2nd cross muneshwara		1	70	0.95	0.150	9.98		
	3rd cross muneshwara block		1	70	0.95	0.150	9.98		
	4th crossmuneshwara block		1	54	0.95	0.150	7.70		
	devinagar 3rd cross		2	104	1.1	0.150	34.32		
	Cross Road		2	62	0.95	0.150	17.67		
							79.64	5348.76	**425948.50**
	Basic rate	**5046**							
	Area Weightage 6%	**302.76**							
	Final Rate	**5348.76**							
3	Providing laying palin / reinforced cement concrete for Box Drain walls of thicknes 10cm to 20 cm including cenmtering shuttering form work etc. complete as per approved drawiong and design MORTH Specification No: 1500,1700,2200 PCC M 20 Grade upto 0.75 m height using concrete mixture (P.No.265, I.No.37.59.2 of PW, P&IWTD SR 2016-17)								
	Culvert	Cum							
	Bottom Slab								

Sl. No	Description of Item	Unit	No.	Length	Breadth	Depth	Quantity	Rate in Rs.	Amount in Rs.
				m	m	m			
	2nd cross muneshwara		1.00	70.00	0.75	0.15	7.88		
	3rd cross muneshwara block		1.00	70.00	0.75	0.15	7.88		
	4th crossmuneshwara block		1.00	54.00	0.75	0.15	6.08		
	devinagar 3rd cross		2.00	104.00	0.90	0.15	28.08		
	Cross Road		2.00	62.00	0.75	0.15	13.95		
	Side Walls								
	2nd cross muneshwara		2.00	70.00	0.15	0.60	12.60		
	3rd cross muneshwara block		2.00	70.00	0.15	0.60	12.60		
	4th crossmuneshwara block		2.00	54.00	0.15	0.60	9.72		
	devinagar 3rd cross		4.00	104.00	0.15	0.60	37.44		
	Cross Road		4.00	62.00	0.15	0.60	22.32		
							158.54	11032.48	**1749034.22**
	Basic rate	**10408**							
	Area Weightage 6%	**624.48**							
	Final Rate	**11032.48**							
4	KSRB - 4.9.2: Providing TMT steel reinforcement Fe500 for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. (P.No.17, I.No.4.46.2 of PW, P&IWTD SR 2016-17)								
	Consider 50Kgs/cum for item No. only RCC Drain Qty	Tonne		158.54	0.050	--	7.93		
							7.93	64243.42	**509450.32**
	Basic rate	**60607**							
	Area Weightage 6%	**3636.42**							
	Final Rate	**64243.42**							
5	Providing and fixing **RCC Precast cover slab of 100mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
		Sam							
	2nd cross muneshwara		1.00	70.00	0.75	--	52.50		
	3rd cross muneshwara block		1.00	70.00	0.75	--	52.50		
	4th crossmuneshwara block		1.00	54.00	0.75	--	40.50		
	devinagar 3rd cross		2.00	104.00	0.90	--	187.20		
	Cross Road		2.00	62.00	0.75	--	93.00		
							425.70	1834.00	**780733.80**
6	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.6 of PW,P&IWTD S.R 2016-17)								
	Coping	Cum							
	2nd cross muneshwara	0.5	1.00	70.00	0.300	0.100	1.05		
	3rd cross muneshwara block	0.5	1.00	70.00	0.300	0.100	1.05		
	4th crossmuneshwara block	0.5	1.00	54.00	0.300	0.100	0.81		

Sl N	Description of Item	Unit	No.	Length m	Breadth m	Depth m	Quantity	Rate in Rs.	Amount in Rs.
	devinagar 3rd cross	0.5	2.00	104.00	0.300	0.100	3.12		
	Cross Road	0.5	2.00	62.00	0.300	0.100	1.86		
							7.89	5767.46	**45505.26**
	Basic rate	**5441.00**							
	Area Weightage 6%	**326.46**							
	Final Rate	**5767.46**							
								Total Construction Cost	**3599984.349**
7		**Cost towards Design Report , PMC / Third Party inspection LS**							**35999.84**
8								**Tender premium 10%**	**359998.43**
								Sub Total	**3995982.63**
9								**Miscellaneous and rounding off**	**4017.37**
								Total	**4000000.00**

Certificate.

1 *The workspot was inspected and Provisions made in the estimate are adequate and necessary.*
2 *Work Spot comes under BBMP limits.*
3 *The estimate based on PWD CSR for the year 2016-17.*
4 *This work is not split up.*
5 *These works are not taken up in any other grants and free from Defect Liability Period.*
6 *Earlier Improvements taken up in the proposed roads are recorded in earlier road history.*

Assistant Engineer

Assistant Executive Engineer

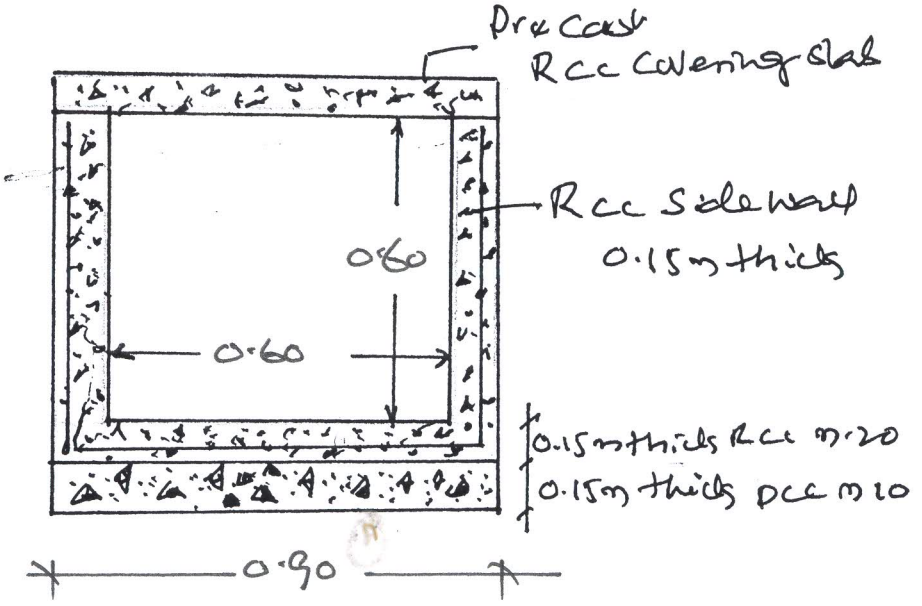
Executive Engineer 27/01

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092
27/01

ADMINISTRATIVE APPROVAL
Accorded For Rs. Forty Lakhs only
Head of A/c. P-3333
Div. Ref. No. 163/17-18 Date 27/01/18
AE 27/01
EE(BTP) 27/01

Technical Sanction
Accorded For Rs. Forty lakhs only
Head of A/C. P-3333
CER NO. TS/560/17-18 Dt. 27.01.18
JA CE (YNK)

NAME OF WORK:- Improvements of Roads and drains and culverts at Muneshwara Blocks and Sussroe-rolings at Kodigehalli Ward no 8



PWD

Muneshwara Block Cross Roads